HC Patient Tracking™ for Android Student Guide

Version 3.7

HC Patient Tracking™ for Android Student Guide

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Module 1: HC Patient Tracking™ Overview

Learning Objectives

After completing this module, the student will:

1. Understand the benefits of the HC Patient Tracking™ Application
2. Understand how data flows within the HC Standard® System

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Benefits of HC Patient Tracking™

- HC Patient Tracking™ allows responders at an incident scene to collect patient data on mobile devices, and share it in near real-time with those in operations centers or hospitals or elsewhere -- if those users have permission to see it
- Provides improved communications
  - Minimizes radio communications
  - Provides a quicker and more accurate picture of where patients are at any given time

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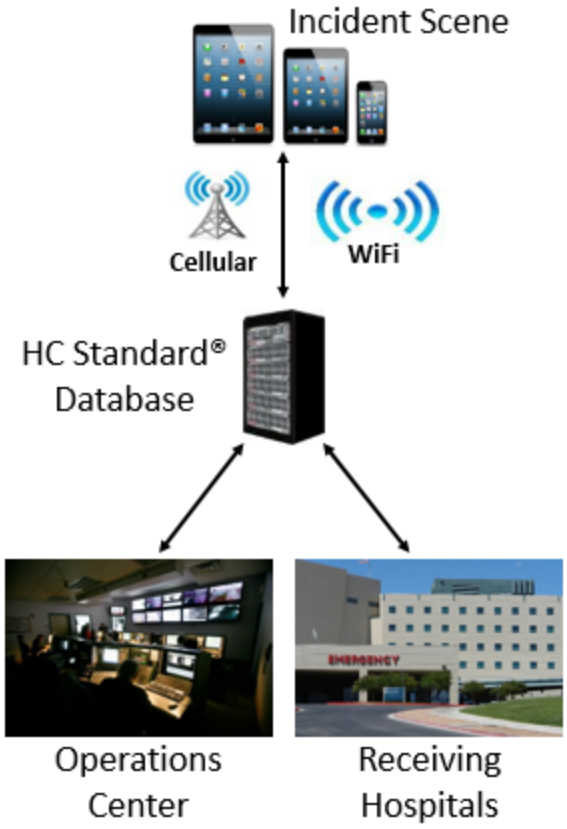
HC Patient Tracking™ Data Flow

From The Incident Scene

- Patient data is collected with mobile devices
- Data is sent to the HC Standard® Server via a cellular or WiFi connection
- If the devices do not have network connectivity, they will store the data locally until they can connect and sychronize

Security

- Data is encrypted in transit and at rest
- Information is only available to authorized users with the appropriate permissions



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Knowledge Check: HC Patient Tracking™ Overview

Questions:

1. The benefits of using HC Patient Tracking™ include which of the following?:
   a. Minimizing radio communication
   b. Providing patient information of all kinds more quickly and accurately
   c. Protecting data with user permissions
   d. All of the above

2. Which of the following statements about submitting data from an incident scene using HC Patient Tracking™ are true?:
   a. Data can be submitted over the cell network
   b. Data can be submitted over a WiFi network
   c. If connectivity is lost, HC Patient Tracking™ will store data locally
   d. All of the above

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Module 2: Login and Main Screen

Learning Objectives

After completing this module, the student will be able to:

1. Launch and log into HC Patient Tracking™
2. Navigate the application main screen and use the menu
3. Describe the importance of ICS information

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Login Screen

Launch Patient Tracking

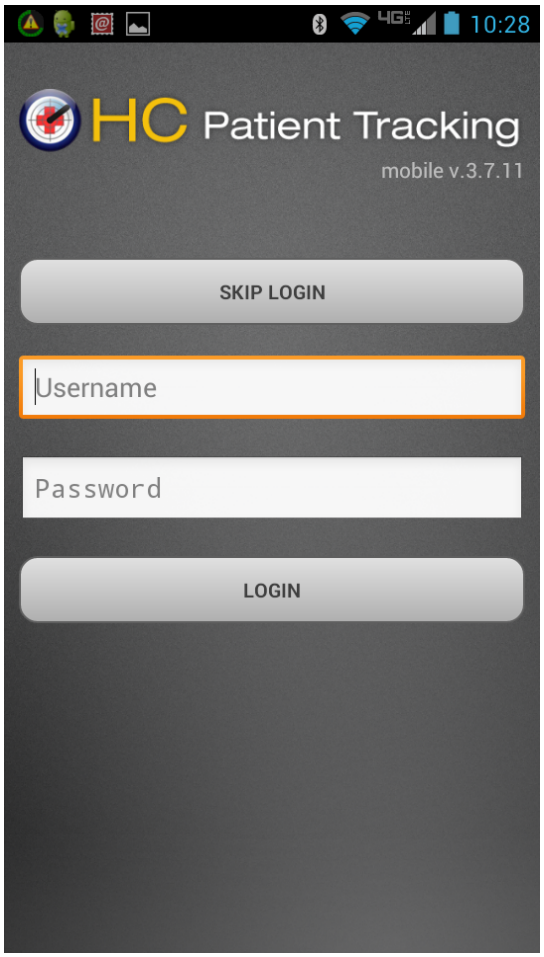
- Tap the Patient Tracking icon on the home screen

Logging In

- Enter the username and password provided by your System Administrator

Skip Login

- Tap the **Skip Login** button to enter the HC Patient Tracking™ application without logging in



Caution: If a user skips login, data will be collected but will not sync and be visible in HC Standard® until the user logs in with a valid username and password.

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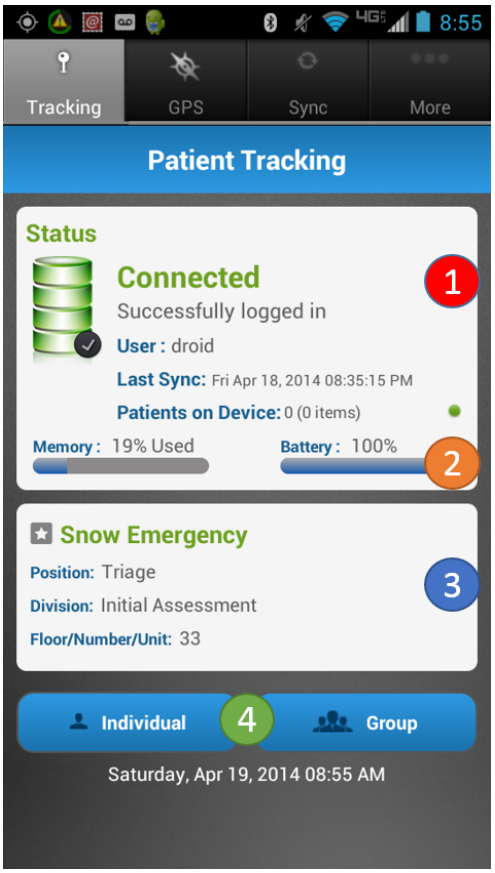
Main Screen

If a connection has been established, the Synchronization Screen may appear:

- Tap **Tracking** in the navigation tray to continue to the Main Screen before synchronization is complete



On the Main Screen, we can see:

1. Connection and Sync Status
2. Memory and Battery Status
3. Current ICS Information
4. Triage Buttons

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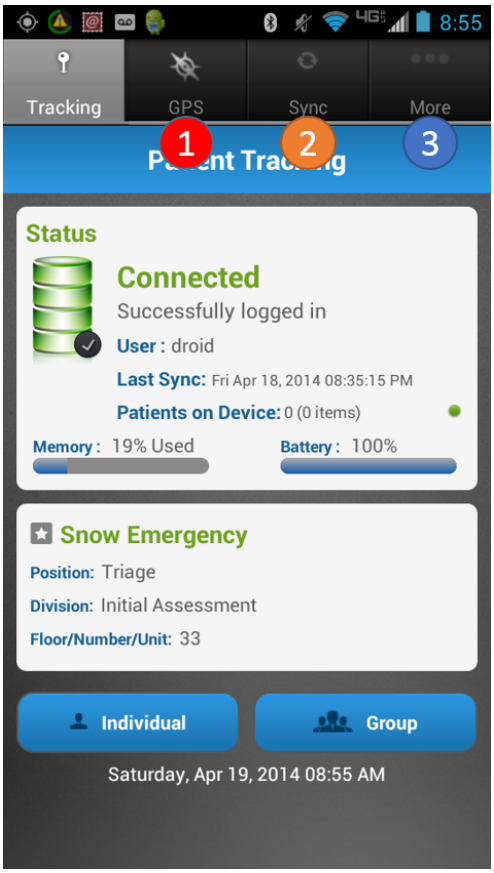
Main Screen Navigation Tray

Tap the icons in the navigation tray at the top of the Main Screen to access additional information and options:



1. GPS - Shows current GPS data
2. Sync - Allows data synchronization
3. More - Displays additional options to select:
   - About - Displays HC Patient Tracking™ version information
   - Summary - Presents memory, battery and GPS status
   - Settings - Allows user to edit settings

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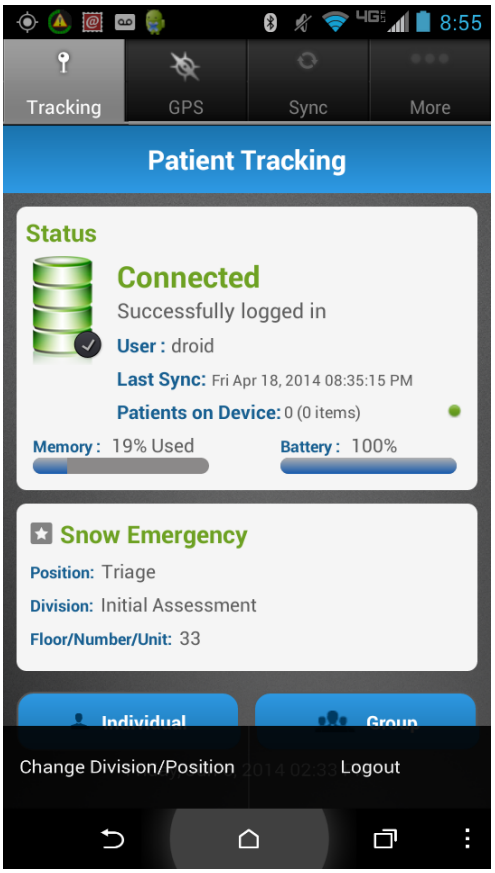
Menu

Tap the Menu button on your device

- Change Division/Position - Allows you to set ICS options
- Login/Logout



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ICS

Change ICS Information

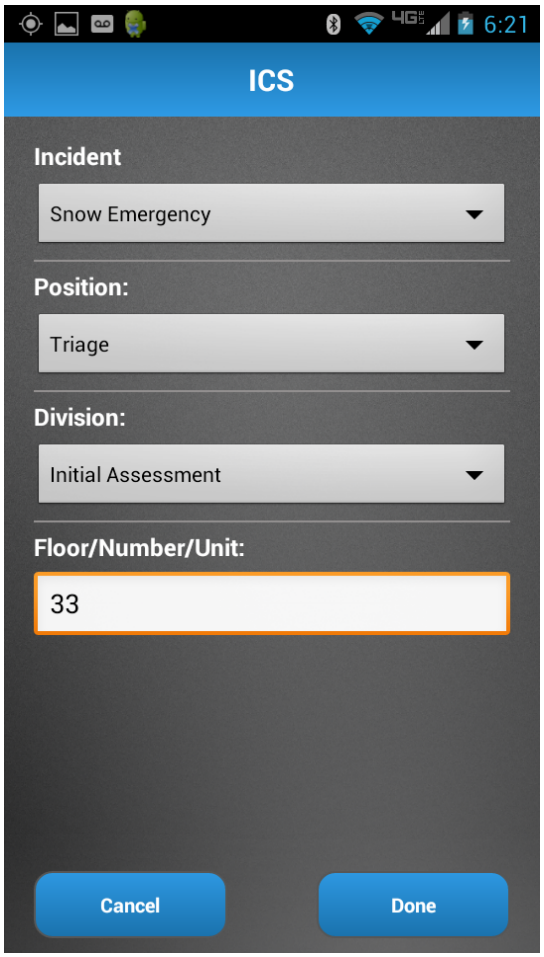
Incident information can be entered after the User logs in

The values for the first three items are selected from a picklist:

- Incident
- Position
- Division

If no ICS information has been entered, you will be directed to this panel when you try to triage patients

ICS information can be changed at anytime through the HC Patient Tracking™ Menu



Best Practice: Always set an incident.

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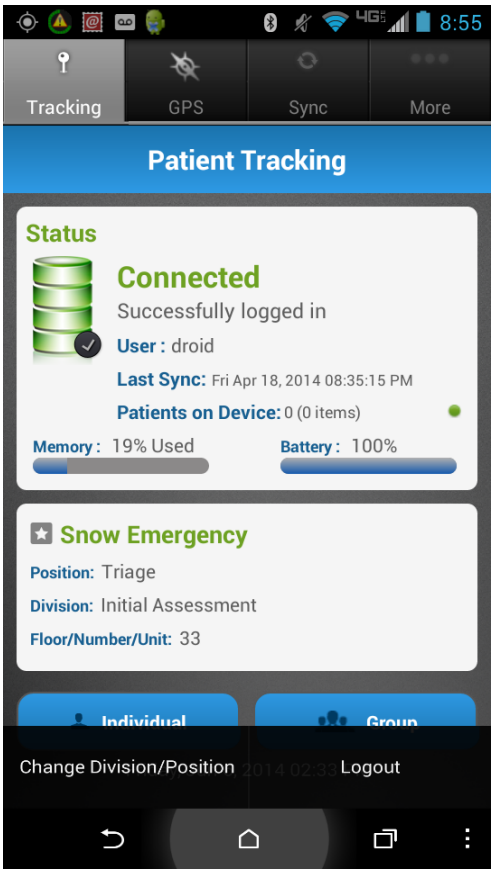
Logging Out And Exiting HC Patient Tracking™

To log out and exit HC Patient Tracking™:

- Tap the Menu button on your device
- Select **Logout**



Best Practice: You should logout of HC Patient Tracking™ at the end of your shift.

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Knowledge Check: Login and Main Screen

Activity:

1. Locate and open the HC Standard® Patient Tracking Application
2. Log into the application
3. Set your device to the incident as specified by your instructor

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Module 3: Individual Tracking

Learning Objectives

After completing this module, the student will:

1. Understand the options on all triage panels
2. Understand proper technique for taking pictures and recording audio and video
3. Understand how to save patient data

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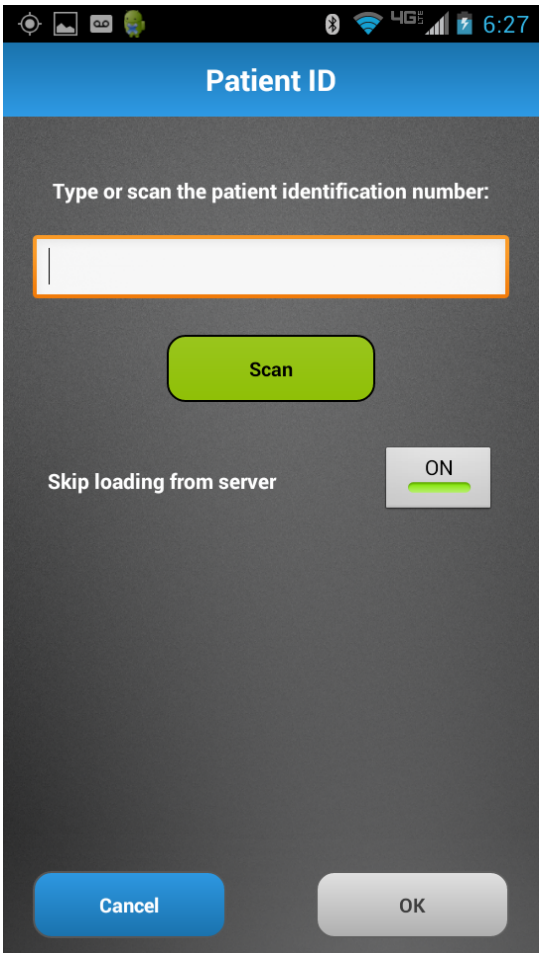
Patient ID/Barcode Scanner

- Scan a barcode using the camera:
  - Tap the **Scan** button
  - Frame the barcode in the camera window that appears

- Manually enter a patient ID using the on-screen keyboard



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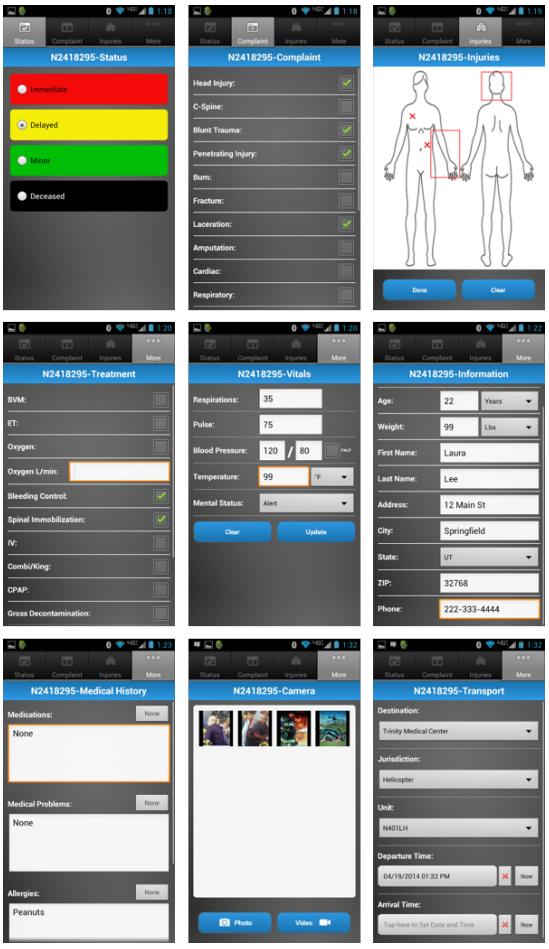
Navigating Triage Screens

- Navigate through panels by swiping left or right
- Jump directly to a particular panel by tapping it in the navigation tray at the top of each panel or selecting it from **More**
- Tap **Menu** for **Save**, **Print** and **other** actions



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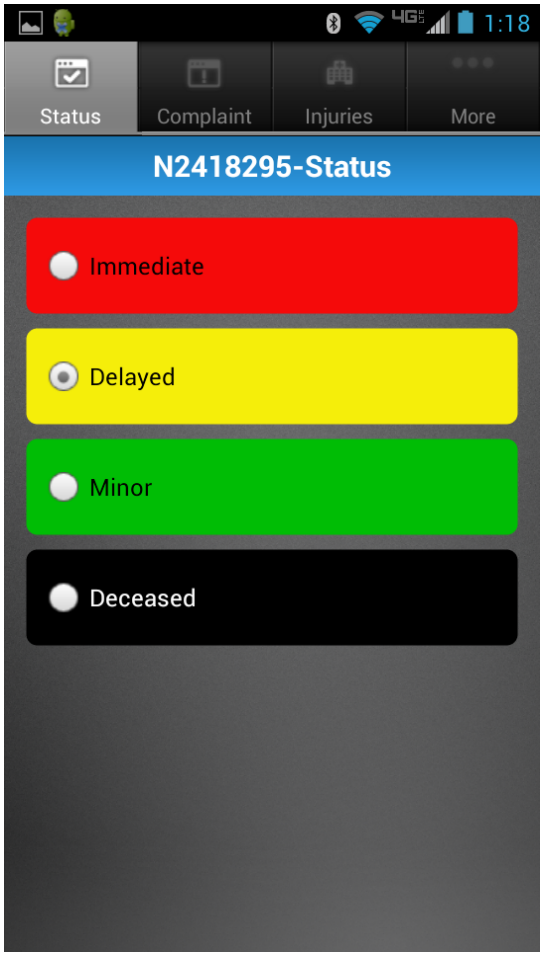
Triage Screens - Status

Triage Status

- Tap anywhere on a colored status button to indicate the triage status of the patient
  - You do not have to tap the circle next to the status name



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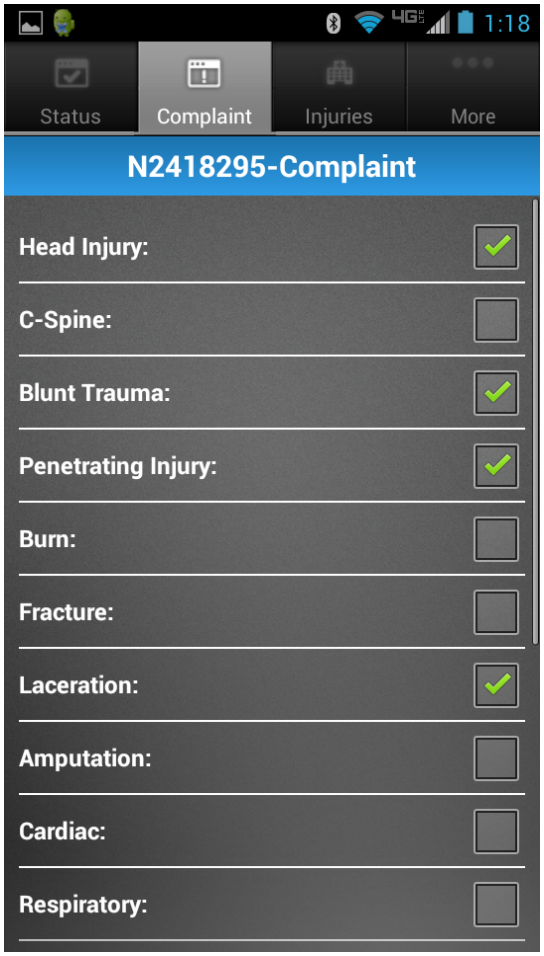
Triage Screens - Complaint

Complaint

- Select the complaints that apply to the patient
  - Tap the complaint text or the square
  - A check mark will fill the square to indicate which complaints have been selected
  - Tap again to remove a check



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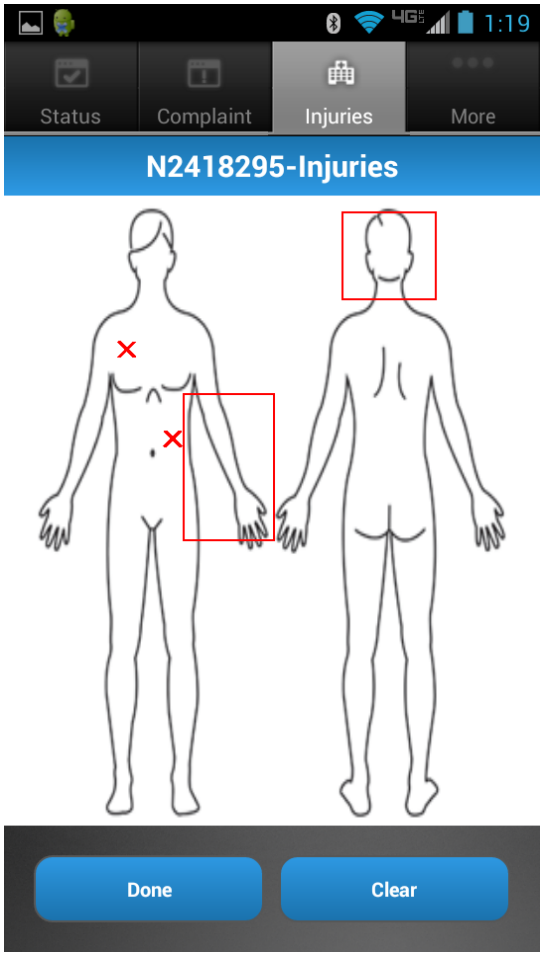
Triage Screens - Injuries

Injuries

- Tap **Edit** to begin entering patient injuries on the diagram
- Tap the screen to mark a spot on the diagram
- Tap and drag diagonally to select an area on the diagram
- When you are finished tap **Done**



Resetting The Diagram

- To reset the diagram:
  - Tap **Clear** when in edit mode

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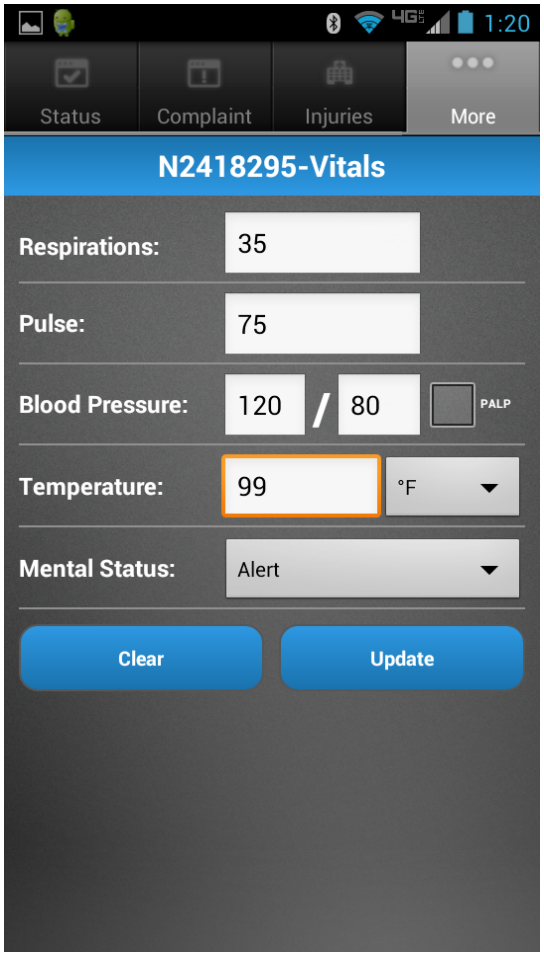
Triage Screens - Vitals

Vitals

- Tap on any of the empty boxes to enter vitals with the on-screen keyboard
- Temperature units and mental status are selected from lists that are displayed when you tap on the field
- Tap **Update** to save current patient information
- Tap **Clear** to remove the data from all fields on this panel



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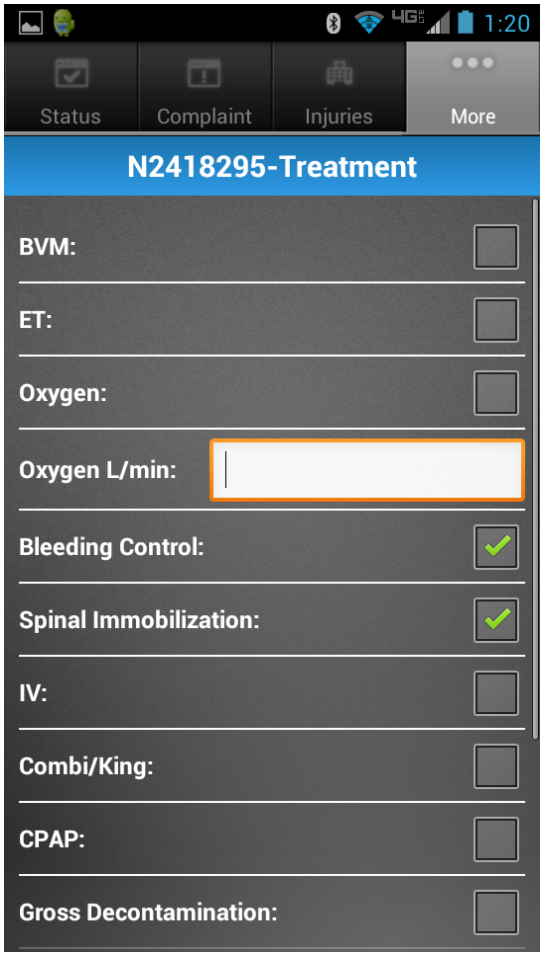
Triage Screens - Treatment

Treatment

- Select the treatment that applies to the patient
  - Tap the treatment text or the square
  - A check mark will fill the square to indicate which treatments have been selected



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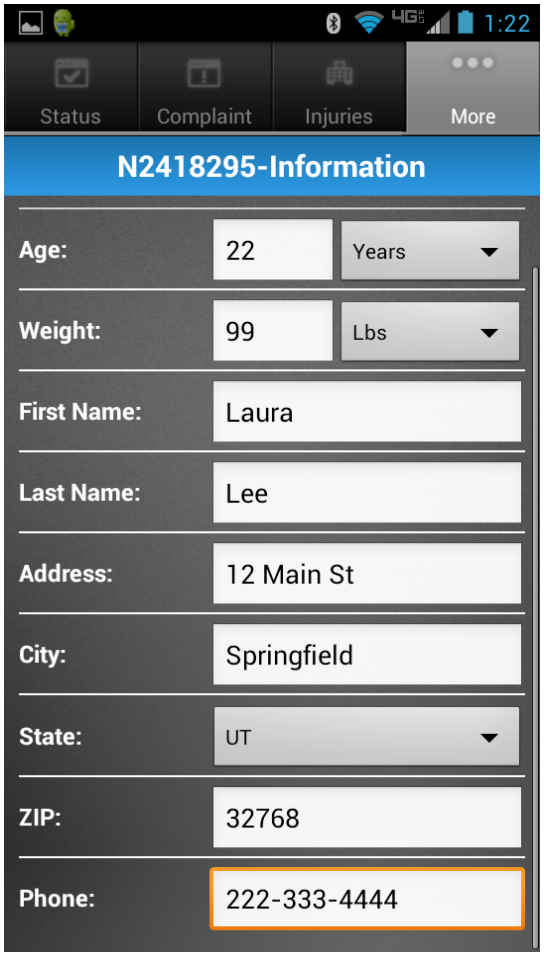
Triage Screens - Information

Information

- Tap on any of the empty boxes to enter patient information with the on-screen keyboard
- When tapping on a field with a drop-down arrow, the options will be displayed at the bottom of the screen



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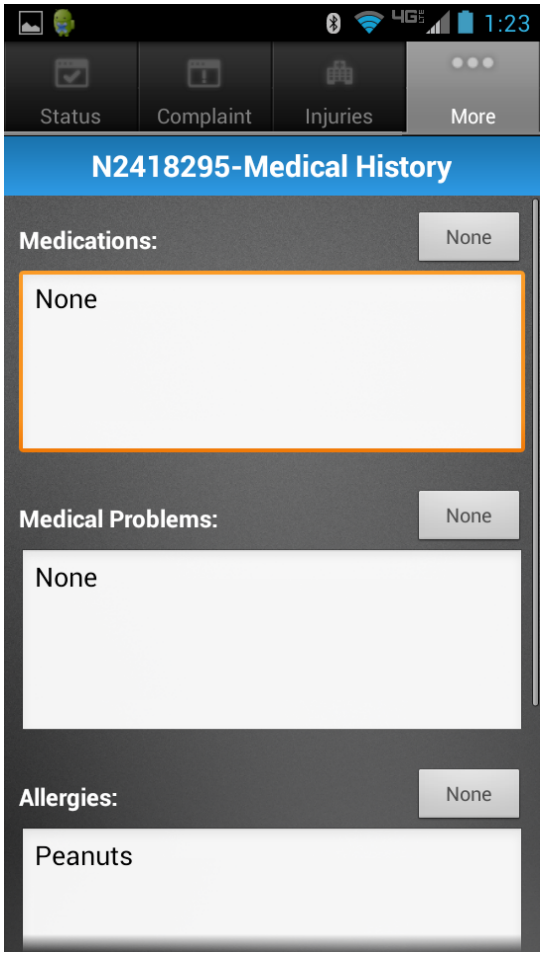
Triage Screens - Medical History

Medical History

- Tap on any of the empty boxes to enter patient information with the on-screen keyboard
- Tapping **None** above a text box allows you to quickly indicate that the patient has no medical concerns of that type



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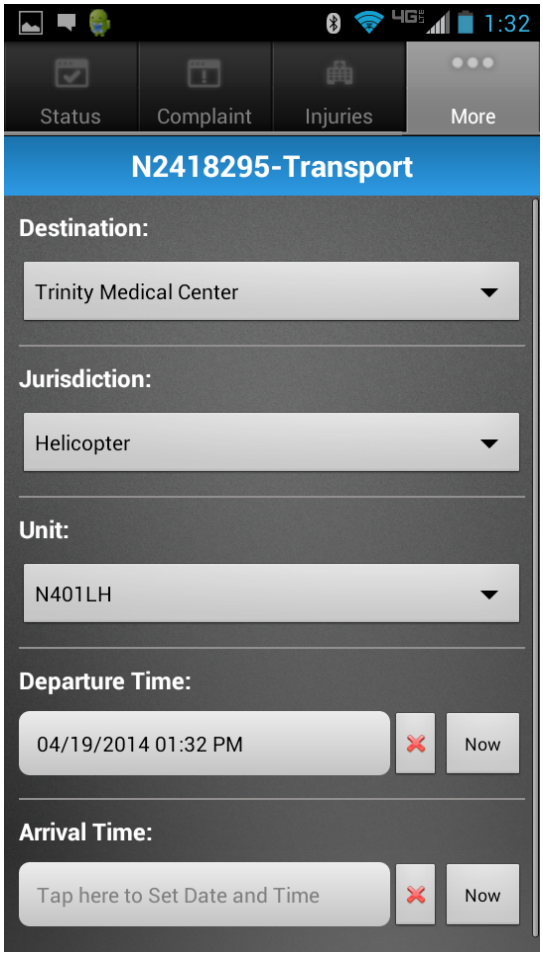
Triage Screens - Transport

Transport

- Tap on any of the fields with a drop-down arrow to display available options
- Scroll through the lists to find and select the correct patient destination, jurisdiction, and unit
- Perform a quick search using the search bar at the top of any item selection screen



Entering Departure & Arrival Times

- If you are *sending* the patient to the destination, set the **Departure Time** by tapping the field, or **Now** to set the current time
- If you are *receiving* the patient at the destination, set the **Arrival Time** by tapping the field or tapping **Now** to set the current time

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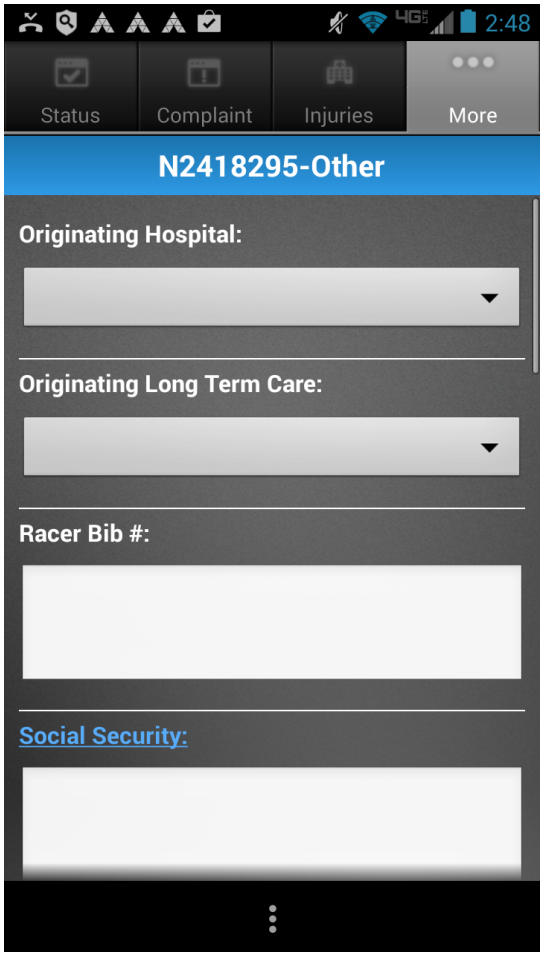
Triage Screens - Other

Other

- If your administrator has provided additional fields for you to use, they will appear on a panel titled **Other**
- Any number of fields can be displayed here, and they can be of any data type – text, number, list, check box or date/time



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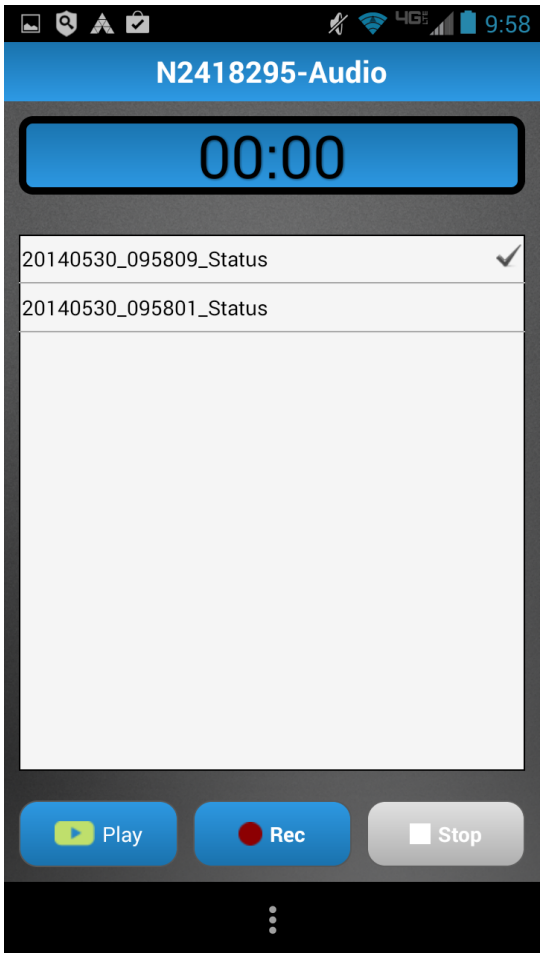
Creating an Audio File

Audio can be added on any page in HC Patient Tracking™

- Tap the Menu, then **More** and select **Audio**
- Create and review recordings using the **Play**, **Record** and **Stop** buttons
- Delete a recording by tapping and holding on the item to delete, then select **Delete**
- Return to the patient record by tapping the back button on your device



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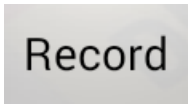
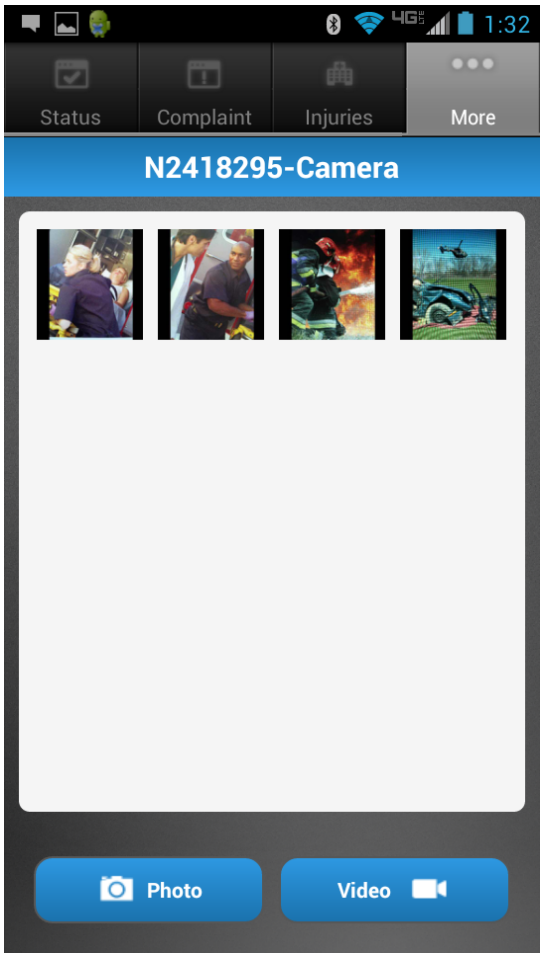
Taking a Photo or Video

- Tap **Photo** to open the camera viewfinder and tap the white button to take a picture

- Tap **Video** to open the viewfinder in video mode and tap the record button to start and stop recording



- Tap and hold a video or picture and then tap the **Delete** button to delete



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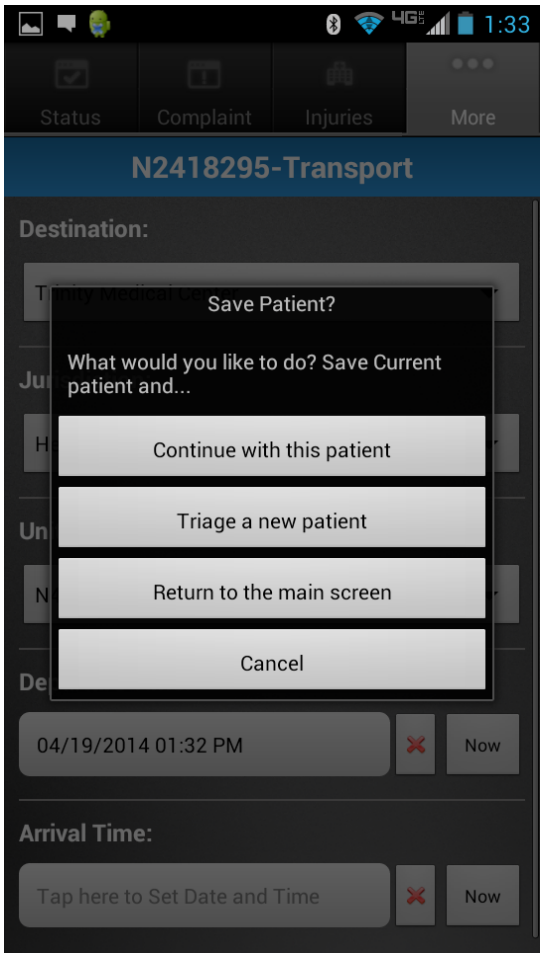
Completing a Patient Record

Your administrator can change the order in which the triage panels appear in the application. This window is tied to the last panel, whichever one that is

If you swipe the last patient triage panel to the left, a window encouraging you to save the data you've collected will appear

- Tap one of the first three options to save the current record and select your next action
- Tap **Cancel**, if you don't want to save at this time



Best Practice: If you are not going to be triaging additional patients right away, select **Return to the main screen**.

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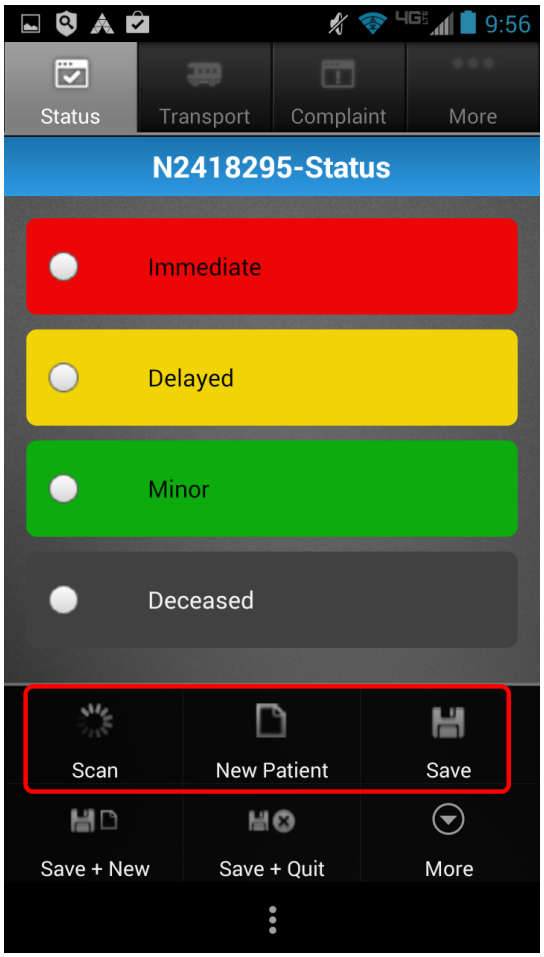
Patient Record Menu Options

- Scan
- New Patient
- Save



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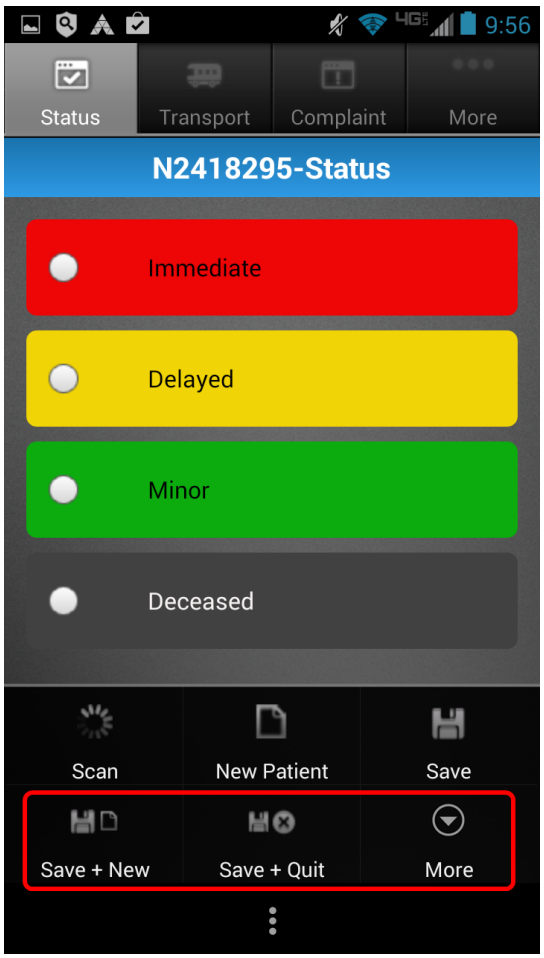
Patient Record Menu Options (continued)

- Save + New
- Save + Quit
- More



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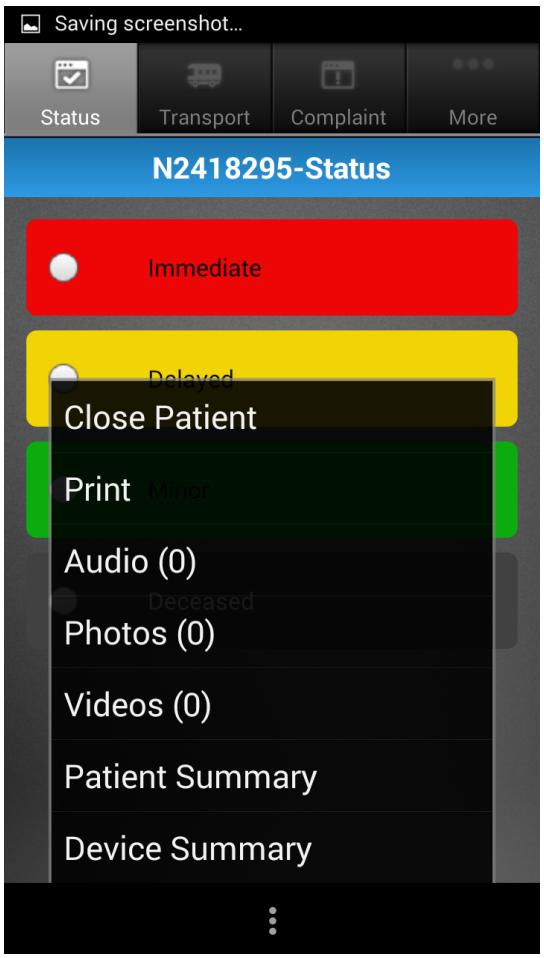
Patient Record Menu Options (continued)

- Close Patient
- Print
- Audio
- Photos
- Videos
- Patient Summary
- Device Summary



Caution: Selecting **Close Patient** will result in all of the changes you have made being lost.

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Knowledge Check: Individual Tracking

Activity:

1. Locate and open the HC Patient Tracking™ application.
2. If you have not already, log in and navigate to the main screen.
3. Enter data for a new patient. Be sure to include triage status and vitals, and to record a short video.

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Module 4: Group Triage

Learning Objectives

After completing this module, the student will be able to:

1. Successfully perform group triage
2. Remove patients from a group list
3. Retrieve a recent group list

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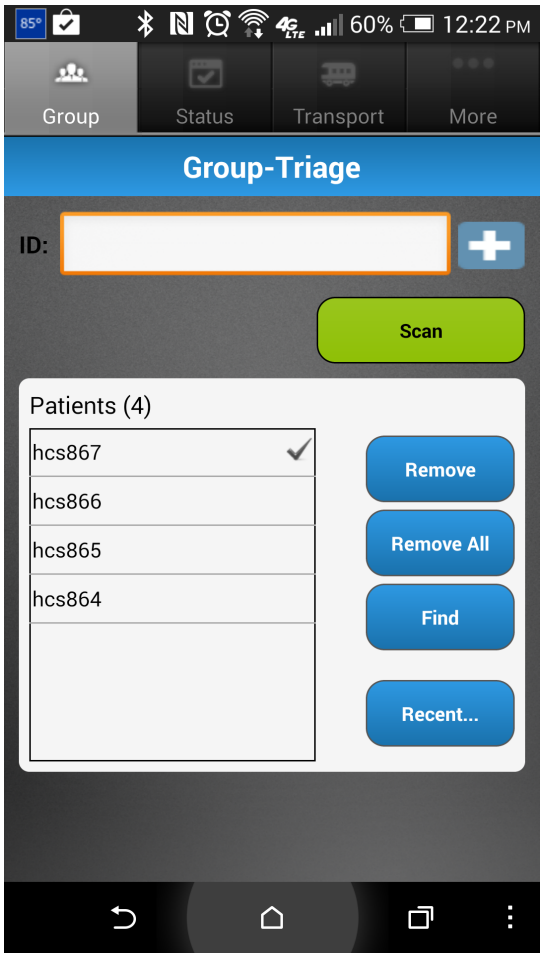
Group Triage

Example Scenarios

Group triage is used when all patients being entered into the device have the same information. Below are a few examples of scenarios where group triage would be most effective:

- All patients are being transported to the same hospital
- All patients sustained the same injury
- All patients have the same symptoms



Initiating Group Triage

Tap the **Group** triage button from the main screen

- Enter multiple barcodes / IDs by tapping the **Scan** button or by typing the ID in the ID field and then tapping the **+** button

Once all patients have been added to the group, begin entering the appropriate group triage and transport information

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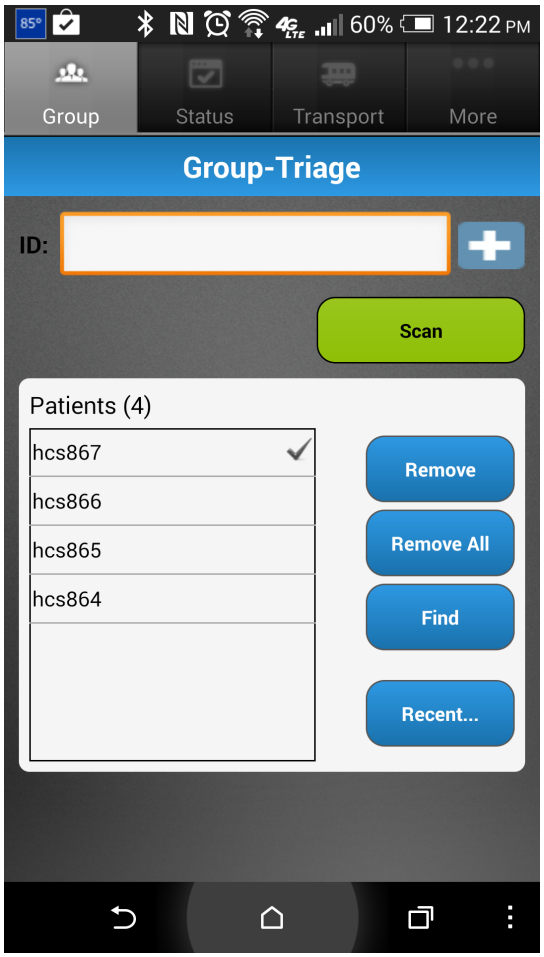
Group Triage Options

Options for Group Triage Patients

- **Remove** – Removes a single patient ID from the list/group
- **Remove All** – Removes all patient IDs from the list/group
- **Find** – Allows you to search for an ID you entered into the list
- **Recent** – Allows you to retrieve a recent group list entered on the device



Notes

- Enter only patient information that pertains to the whole group (e.g. weight or vitals would not pertain to each group member)

Caution: There is no confirmation or undo once you tap **Remove** or **Remove All**.

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Knowledge Check: Group Triage

Scenario:

You are a first responder with a group of seven different patients on a bus. Each of the patients are suffering from heat exhaustion and are being treated by cooling them down and giving them water on an air-conditioned bus. After you scan all the patient IDs, one of the patients begins to vomit.
When you go over to help, you notice that while all the other patients' skin was cool to the touch; this patient's skin was very hot. These being the typical signs of heat stroke, you signal for an ambulance and EMS to have him transported to the nearest hospital.

Activity: Given the above scenario, show how you use HC Patient Tracking™ to record patient status.

Notes:

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Module 5: Application Settings

Learning Objectives

After completing this module, the student will be able to:

1. Understand and manipulate settings that affect HC Patient Tracking™, including:
    a. Number of incidents shown
    b. Scanner operation
    c. Photo resolution

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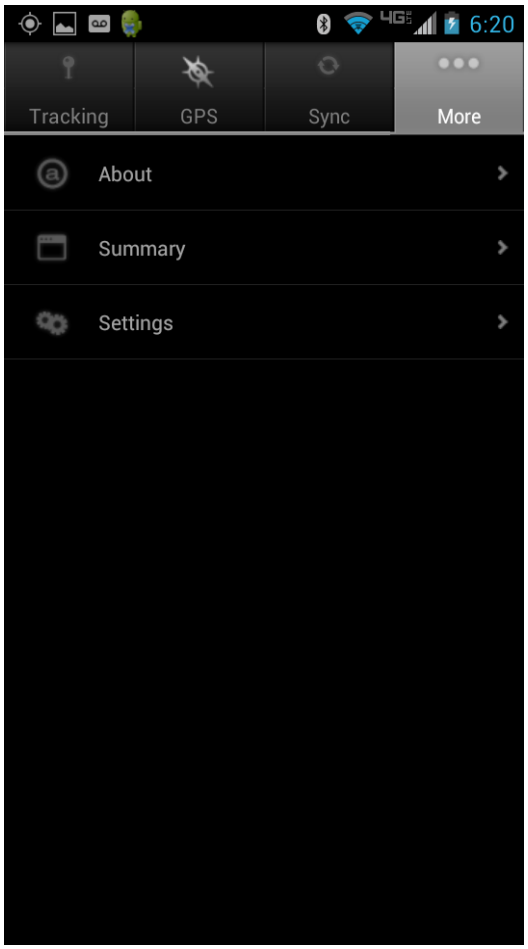
Application Settings

You can adjust several settings to make the application work according to your preferences

- To open settings, tap the **Settings** button from the More panel from the main screen



Notes:

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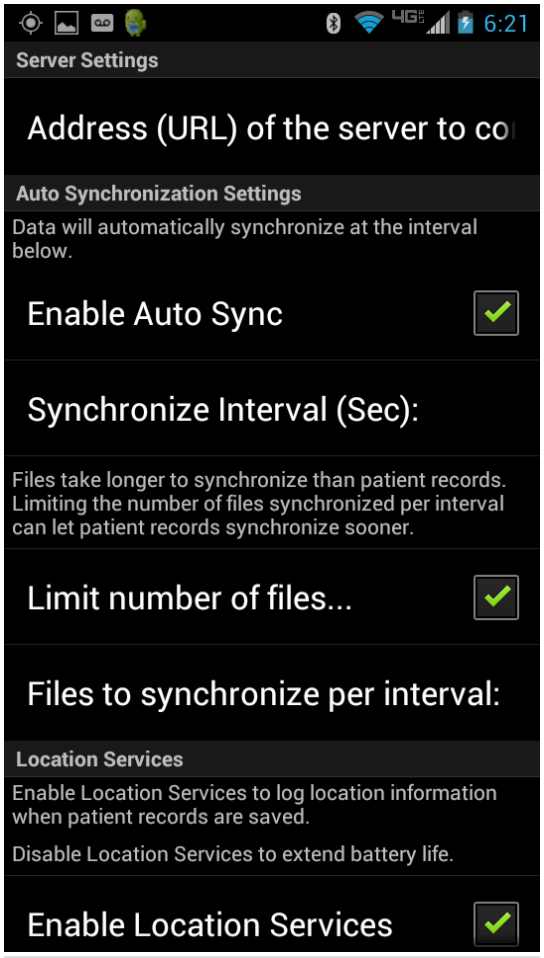
- Server Settings shows your HC Standard® URL, which is for information only
- Synchronization Settings allow you control the way your device communicates with the server
- The Location Services control allows you to turn GPS on and off



Notes:

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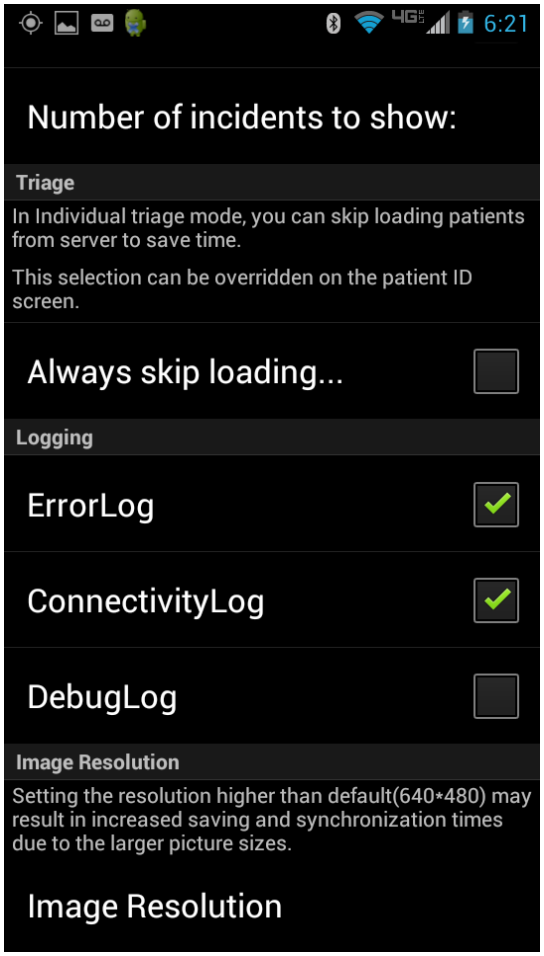
- Under Incidents, you can set the number of incidents available for selection in the application
- Under Triage, you can prevent the application from loading data associated with existing patients
- Logging Options are used for technical assistance. You should not change any of the log settings, unless directed to do so
- Resolution allows you to make the tradeoff between higher quality photographs or videos and quicker data synchronization



Caution: If you are in HC Patient Tracking™ and don't see an incident, try increasing the number of incidents shown.

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Knowledge Check: Application Settings

Questions:

1. If your device is taking longer than anticipated to synchronize, what steps can you take to help decrease that time?
    a. Lower the quality of the pictures that are being taken
    b. Turn off location services
    c. Limit the number of files that synchronize at one time
    d. (A) and (B)
    e. (A) and (C)
2. Which of the following are application settings that a user should not change without being directed to do so?
    a. MobiControl
    b. Location Services
    c. Confirmation Alert
    d. Image Resolution
3. You are trying to select an older incident on the **ICS** panel; however, you do not see that incident available in the list. What steps might you take to solve this problem?
    a. Menu > Logout > Log back In
    b. Settings > HCS Patient Tracking > Increase **Number of incidents to show**
    c. Close and reopen the app

Notes:

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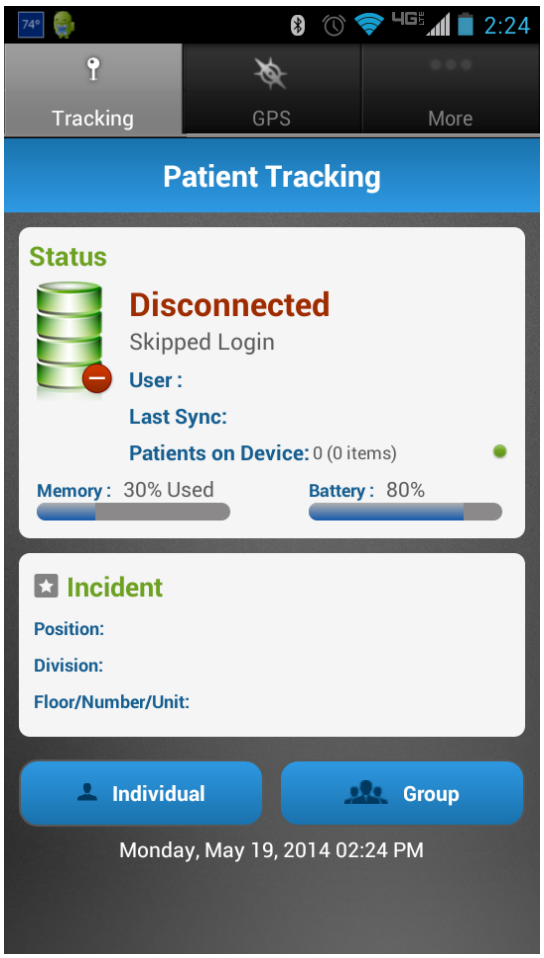
Module 6: Troubleshooting

Troubleshooting Tips

Issue: Device Is Disconnected

1. Wait 2-3 minutes for your device to automatically reconnect.
2. If the device does not reconnect and you have internet connectivity, tap **Menu** and **Logout**, then log back in



Issue: Locked Out Of Account

1. Tap **Skip Login** to proceed with patient triage – information can be synced at a later time
2. Wait 15 minutes for account to automatically unlock, and then log in.

Notes:

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